BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

NAME OF THE WORK IMPROVEMENTS TO DRAIN AT RAJA REDDY LAYOUT, BAGALAGUNTE WARD NO. 14

					Est. Cost		5000000.00	
Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
1	2	3	4	5	6	7	8	9
I	For Drain							
1	KSRRB 300-2 : Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH /Chapter 3 (Page No.142, Item No. 19.2)							
		8	116.00	0.60	0.45	250.56		
	Culvert	1	8.50	1.50	1.00	12.75		
						263.31	119.78	31539.00
							Per Cum	
	Basic Rate	113.00						
	Add 6% A.W	6.78						
	Total	**119.78**						
2	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.3)							
		8	116.00	0.60	0.15	83.52		
	Culvert	1	8.50	1.50	0.15	1.91		
						85.43	5159.02	440748.00
							Per Cum	
	Basic Rate	4867.00						
	Add 6% A.W	292.02						
	Total	**5159.02**						

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Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum fine aggregates @ 0.459 cum, with superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed - 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications.Specification No.KBS 4.1, 4.6 (Page No.13, Item No. 4.11)							
	for covering slabs culvert	1	8.50	1.50	0.25	3.19		
						3.19	6371.66	20310.00
							Per Cum	
	Basic Rate	6011.00						
	Add 6% A.W	360.66						
	Total	**6371.66**						
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2)							
	for culvert covering slabs	3.19 x 80 kgms / Cum				255.00		
						255.00		
				255.00	/ 1000	0.26		
					Say	**0.26**	64243.42	16382.00
							Per Tonne	
	Basic Rate	60607.00						
	Add 6% A.W	3636.42						
	Total	**64243.42**						

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Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
5	KSRB 5.3-3 : Providing and constructing granite / trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications.KBS 5.1.13 (Page No.23, Item No. 5.9)							
	Culvert	2	8.50	0.45	0.75	5.74		
						5.74	5305.30	30439.00
							Per Cum	
	Basic Rate	5005.00						
	Add 6% A.W	300.30						
	Total	**5305.30**						
6	KSRB 4 - 1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.2)							
	Culvert	2	8.50	0.45	0.10	0.77		
						0.77	5348.76	4092.00
							Per Cum	
	Basic Rate	5046.00						
	Add 6% A.W	302.76						
	Total	**5348.76**						
7	KSRB 15.1.3 : Providing ruled pointing to course stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No..113, Item No. 15.3)							
	Culvert	2	8.50		0.75	12.75		
						12.75	103.88	1324.00
							Per Sqm	
	Basic Rate	98.00						
	Add 6% A.W	5.88						
	Total	**103.88**						
8	Removing B.S slab of Drain and stacking and Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No.25, Item No. 5.32 & 5.33)							

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Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	For drains	8	116.00	1.35		1252.80		
						1252.80		
	Deduct 80% for missing, broken & damaged B S					**1002.24**		
					Net qnty	**250.56**	146.28	36652.00
							Per Sqm	
	Basic Rate		138.00					
	Add 6% A.W		8.28					
	Total		**146.28**					
9	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 7.5 cms thick (Page No.25, Item No. 5.31.1)							
	Deducted 80% missing, broken & damaged B S slabs Qnty vide item No. 8					**1002.24**		
						1002.24	665.68	667171.00
							Per Sqm	
	Basic Rate		628.00					
	Add 6% A.W		37.68					
	Total		**665.68**					
10	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.13, Item							
	For drains	16	116.00	0.20	0.075	27.84		
	Drain bed	8	116.00	0.45	0.10	41.76		
						69.60	5598.92	389685.00
							Per Cum	
	Basic Rate		5282.00					
	Add 6% A.W		316.92					
	Total		**5598.92**					
11	KSRB 5-14.1 : Providing and construction load bearing wall with solid concrete block of Size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges scaffolding, curing, hire charges of machineries etc., Complete as specification(Page No.25, Item No. 5.27.1)							

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Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	For drains	16	116.00	0.40		742.40		
						742.40	993.22	737367.00
							Per Sqm	
	Basic Rate	937.00						
	Add 6% A.W	56.22						
	Total	**993.22**						
12	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 10 cms thick (Page No.25, Item No. 5.31.2)							
	For Covering slabs	4	116.00	0.90		417.60		
						417.60	825.74	344829.00
							PerSqm	
	Basic Rate	779.00						
	Add 6% A.W	46.74						
	Total	**825.74**						
13	KSRB 5-8.2: Providing two line dressing to granite stone slab/granite stone masonry as per specification. KBS 5.1.13 (Page No.24, Item No. 5.18)							
	Qty vide item no 12					417.60		
						417.60	963.54	402374.00
							Per Sqm	
	Basic Rate	909.00						
	Add 6% A.W	54.54						
	Total	**963.54**						
14	Providing Machine cutting to BS slabs							
		2	116.00			232.00		
						232.00		
			232.00	/0.60		**386.67**	Nos	
	DATA RATES APPROVED Rs 60.00		386.67	x 3.00 Mtr		**1160.00**	60.00	69600.00
							Rmt	
15	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm (Page No.25, Item No. 5.29.1)							
		8	116.00			928.00		
						928.00		

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Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
				928.00	/ 0.45	**2062.22**		
					Say	**2062.22**	385.84	795688.00
	Basic Rate		364.00				Nos	
	Add 6% A.W		21.84					
	Total		**385.84**					
16	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. (Page No.122, Item No.15.80)							
		8	116.00	0.45		417.60		
						417.60	27.56	11509.00
							Per Sqm	
	Basic Rate		26.00					
	Add 6% A.W		1.56					
	Total		**27.56**					
17	KSRB 15-19.2 : Providing and applying spary painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materiasl, labour, complete as per specifications. (Page No.122, Item No.15.81)							
	Qty vide item no 16					417.60		
						417.60	69.96	29215.00
							Per Sqm	
	Basic Rate		66.00					
	Add 6% A.W		3.96					
	Total		**69.96**					
18	Supplying and fixing precast reinforced conceret slabs 10cm thick of mix M20 using 20mm and sownsize graded grantite metal using reinforecement 100mm dia steel at 150mm C/C both ways cost, transportation, hire charges of machinerym machine cuttng the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges							
		4	116.00	0.90		417.60		
						417.60	1698.00	709085.00

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Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
							PerSqm	
19	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4KM a) Basic rate for haulage of materials as per item No. 17.4/ KSRRB: M100-4,1 … Rs. 2.00 Tonne / Km b) Average earth of work 1.28 Tonne / Km Rs, 2.00 c) Add loading and unloading Page. No. 133 Item No. 17.1 PWD SR 2016-17							
	Qty vide item no 1					263.31		
						263.31	85.65	22552.00
	Loading and unloading Charges		68.00				Per Cum	
	Lead 4 KMs 2.5x1.28x4		12.80					
			80.80					
	Add A W 6 %		4.85					4760561.00
	Tota		**85.65**			**Sub Total**		**4761131.00**
								2,38028.00 238057.00
20	Tender Premium							
								1411,812.00
21	Miscellaneous and unforeseen charges							
						GRAND TOTAL Rs.		**5000000.00**

CERTIFICATE

1 The work spot have been inspected by me and work is found to be necessary.
2 This estimate is prepared as per the PWD & IWTD CSR of 2016-17
3 This work is not split up
4 The provisions were made in this estimate are adequete and essential
5 This works comes under BBMP Limits

Asst.Engineer
Ward No. 14

Asst.Executive Engineer
T.Dasarahalli Sub Division
B.B.M.P.

Executive Engineer
Dasarahalli Division
B.B.M.P.

ನಂ.EE/DD/AS/72/17-18 ದಿನಾಂಕ : 01-09-17
ರೂ. 50,00,000/- Rupees Fifty lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಅಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/180/17-18 ದಿನಾಂಕ : 25/9/17
ರೂ. Rs. 50.00 Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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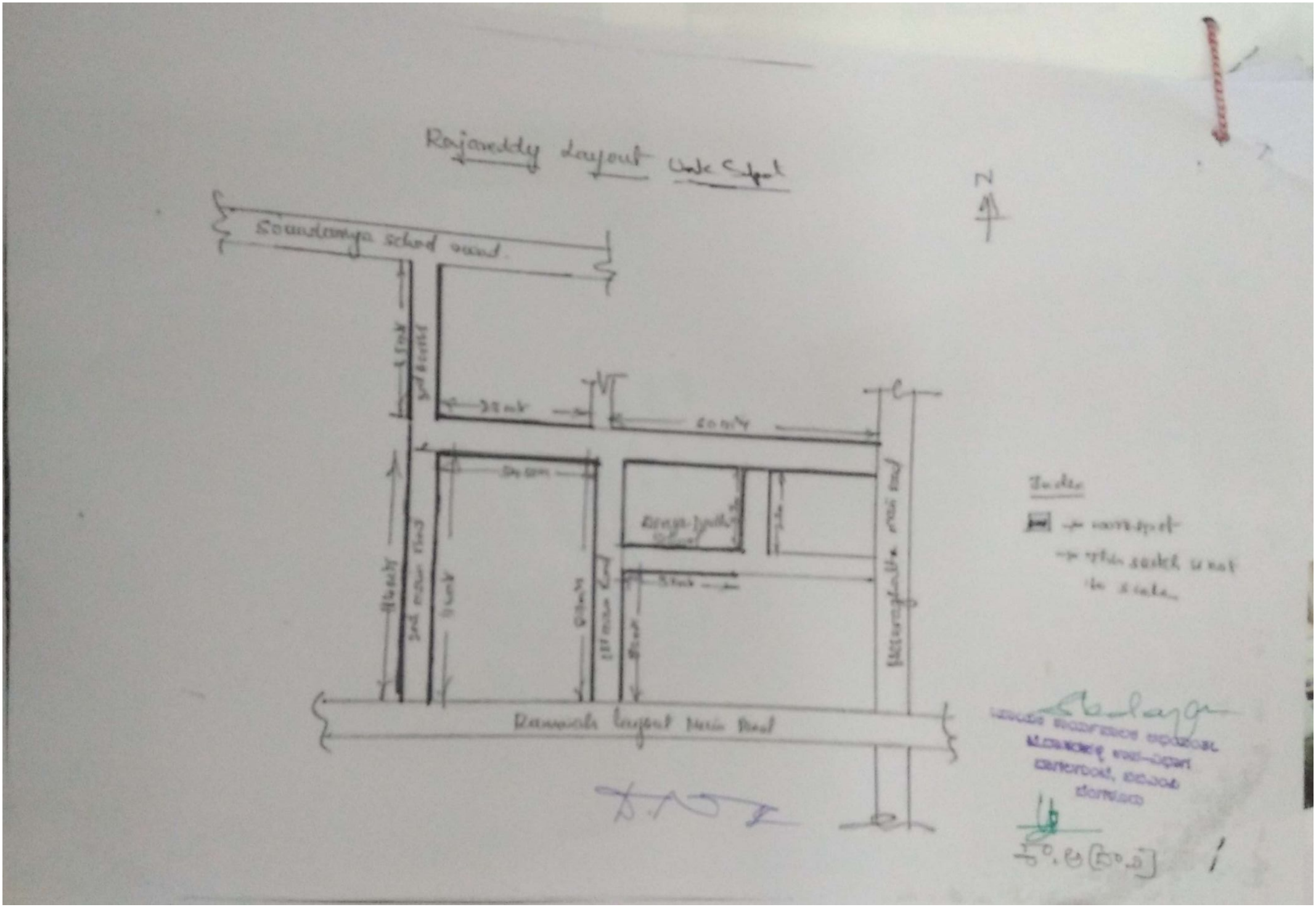

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